| S.N | DESCRIPTION OF WORK | N | L | B | D | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|---|---|---|---|
| | Total | 90.72 | | | | | | | |
| | | | | | | | | | |
| 36 | Providing and applying enamel metal paint two coats( excluding priming coat ) over new steel or other metal surfacebrushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as perspecifications. | | | | | | | | |
| | **S.R.page 121 item 15.74** | | | | | | | | |
| | **Ground Floor** | | | | | | | | |
| | Collapsible gate | | | | | | | | |
| | G | 1 | 4.97 | 2.40 | | 11.93 | | | |
| | G | 1 | 1.20 | 2.10 | | 2.52 | | | |
| | Window 1 | 1 | 2.00 | 1.35 | | 2.70 | | | |
| | Window 2 | 19 | 1.50 | 1.35 | | 38.48 | | | |
| | Window 3 | 1 | 1.00 | 1.35 | | 1.35 | | | |
| | FG1 | 5 | 2.40 | 1.95 | | 23.40 | | | |
| | FG2 | 4 | 1.80 | 0.90 | | 6.48 | | | |
| | FG3 | 4 | 1.00 | 2.75 | | 11.00 | | | |
| | Ventilator 1 | 18 | 0.60 | 0.75 | | 8.10 | | | |
| | Ventilator 2 | 4 | 1.00 | 0.75 | | 3.00 | | | |
| | | | | | | **108.95** | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | **First Floor** | | | | | | | | |
| | W1 | 1 | 2.00 | 1.35 | | 2.70 | | | |
| | W2 | 18 | 1.50 | 1.35 | | 36.45 | | | |
| | W3 | 15 | 1.00 | 1.35 | | 20.25 | | | |
| | W5 | 2 | 0.90 | 1.35 | | 2.43 | | | |
| | FG1 | 3 | 2.40 | 1.95 | | 14.04 | | | |
| | FG2 | 10 | 1.80 | 0.90 | | 16.20 | | | |
| | FG3 | 4 | 1.00 | 2.25 | | 9.00 | | | |
| | V1 | 16 | 0.60 | 0.75 | | 7.20 | | | |
| | | | | | | **108.27** | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | **Second Floor** | | | | | | | | |
| | W1 | 1 | 2.00 | 1.35 | | 2.70 | | | |
| | W2 | 18 | 1.50 | 1.35 | | 36.45 | | | |
| | W3 | 15 | 1.00 | 1.35 | | 20.25 | | | |
| | W5 | 2 | 0.90 | 1.35 | | 2.43 | | | |
| | FG1 | 3 | 2.40 | 1.95 | | 14.04 | | | |
| | FG2 | 10 | 1.80 | 0.90 | | 16.20 | | | |
| | FG3 | 4 | 1.00 | 2.25 | | 9.00 | | | |
| | V1 | 16 | 0.60 | 0.75 | | 7.20 | | | |
| | | | | | | **108.27** | | | |
| | | | | | | **325.49** | **Sqmt** | **88.56** | **28825.66** |
| | Basic Rate | 82.00 | | | | | | | |
| | Area Weightage 8% | 6.56 | | | | | | | |
| | Total | 88.56 | | | | | | | |
| | | | | | | | | | |
| 37 | Providing and fixing Cubical work stations consisting of Wings made out of 75mm thick MS CRCA powder coated, tile based system for main and return spine top tile finish 8 mm thick MDF covered with fabric of approved colour and one writing board (600mm W) and one soft board (600mm w) per workstation .bottom tile finish 19mm thick laminate tile of colour approved colour race way one middle race way (600mm W) below 6table top per workstation and continous race way at the skirting level, wire mangr - ABS plastic grommet one number per table , table top - 25mm thick PLPB with staright table top end table 25mm thick PLPB with staright edge bound hard ware - MS power coaterd corner bkt, contiliver bkt, separeter hook and bkt L bkt and tabl joint plate as per specification dwg.and as directed by engineer in charge. T-TYPE 2 wings (C Size: 1500 mmW x 1200nn D x 1200 mm ht | | | | | | | | |
| | S.R.page 329 item No.39.16.3 | | | | | | | | |
| | | 6 | | | | 6 | | | |
| | | | | | | **6** | Nos | **38772.00** | **232632.00** |

| S.N | DESCRIPTION OF WORK | N | L | B | D | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|---|---|---|---|
| | Basic Rate | 35900.00 | | | | | | | |
| | Area Weightage 8% | 2872.00 | | | | | | | |
| | Total | 38772.00 | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 38 | Providing and fixing of Door locking arrangements(page XIV,item no 397) | | | | | | | | |
| | | 30 | | | | 30 | Each | 650.00 | 19500.00 |
| | | | | | | | | | |
| 39 | Providing and fixing of Handles powder coated 150mm(page XIV,item No,393) | | | | | | | | |
| | | 45 | | | | 45 | Each | 60.00 | 2700.00 |
| | | | | | | | | | |
| 40 | Providing and fixing of Hinges 5" heavy duty(Page No.XIV,item No395) | | | | | | | | |
| | | 45 | | | | 45 | Each | 37.00 | 1665.00 |
| | | | | | | | | | |
| 41 | Providing and fixing of Hold fasts MS (Page No XIV, item No 396) | | | | | | | | |
| | | 40 | | | | 40 | Each | 38.00 | 1520.00 |
| | | | | | | | | | |
| 42 | Providing and fixing of Tower bolt 300mm long(page No,XIV, item No 412) | | | | | | | | |
| | | 45 | | | | 45 | Each | 120.00 | 5400.00 |
| | | | | | | | | | |
| 43 | Repairing and fixing shutters (panelled or glazed) to doors, windows,ventilators and cupboards | | | | | | | | |
| | S.R.page 263 item No.37.13 | | | | | | | | |
| | | 40 | 2.10 | 1.00 | | 84.00 | Sqmt | 453.60 | 38102.40 |
| | | | | | | | | | |
| | Basic Rate | 420.00 | | | | | | | |
| | Area Weightage 8% | 33.60 | | | | | | | |
| | Total | 453.60 | | | | | | | |
| | | | | | | | | | |
| 44 | Providing and fixing hydraulic door closures with mounting heavy duty | | | | | | | | |
| | S.R.page 264 item No.37.32 | | | | | | | | |
| | | 25 | | | | 25 | Nos | 1775.52 | 44388.00 |
| | Basic Rate | 1644.00 | | | | | | | |
| | Area Weightage 8% | 131.52 | | | | | | | |
| | Total | 1775.52 | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | TOTAL | 10262645.80 |
| 45 | Miscelleneous | | | | | | | | 2354.20 |
| | | | | | | | | - | |
| | | | | | | | GRAND TOTAL | | 10265000.00 |

(RUPEES ONE CRORE TWO LAKHS SIXTY FIVE THOUSAND ONLY

CERTIFICATES

1) The work spot has been inspected and found to be necessary
2) This estimate is prepared as per KPWD SR. of 2016-2017 & Approved Rates
3) The provisions were made in this estimate are necessary and adequate.
4) This works come under B.B.M.P. limits.
5) The work is not Spilt Up.

Assistant Engineer
Project Sub Division
Yelahanka Zone, BBMP

Assistant Executive Engineer 10/04/17
Project Sub Division
Yelahanka Zone, BBMP

Executive Engineer
Project division
Yelahanka Zone, BBMP Bangalore

Executive Engineer
Project Division
Yelahanka Zone
Bangalore

# BRUHAT BANGALORE MAHANAGARA PALIKE

## CONSTRUCTION OF HOSPITAL BUILDING IN WARD NO.02

### BOREWELL ESTIMATE

| Sl. No. | Description of Work | Unit | No. | Dimension | | | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | L | B | D | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | **Drilling of Borewell** | | | | | | | | |
| 1 | Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction **(P.30, I. 9.4) PRED.SR 2012-13** | | | | | | | | |
| | | Each BW | 1 | | | | **1** | 1900.00 | **1900.00** |
| 2 | Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) **29/I.1 PRED SR 2006-07 and as per corragandam SE PRED No. 9.1/2008-09** | | | | | | | | |
| | 0 to 50 m | Rmtr | 1 | 50.00 | | | 50.00 | 306.00 | 15300.00 |
| | 50 to 100 m | | 1 | 50.00 | | | 50.00 | 400.00 | 20000.00 |
| | 100 to 150 m | | 1 | 50.00 | | | 50.00 | 445.00 | 22250.00 |
| | 150 to 200 m | | 1 | 50.00 | | | 50.00 | 470.00 | 23500.00 |
| | 200 to 250 m | | 1 | 50.00 | | | 50.00 | 544.00 | 27200.00 |
| | 250 to 300 m | | 1 | 50.00 | | | 50.00 | 583.00 | 29150.00 |
| | 300m to 350m | | 1 | 50.00 | | | 50.00 | 590.00 | 29500.00 |
| | 350m to 400 m | | 1 | 50.00 | | | 50.00 | 600.00 | 30000.00 |
| | | | | | | | | | |
| 3 | Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes) **as per corragandam SE PRED No. 2/2008-09** | | | | | | | | |
| | | Rmtr | 1 | 36.00 | | | **36.00** | 1325.00 | **47700.00** |
| | | | | | | | | | |
| 4 | Providing 250mm dia PVC Pipe 6kg/cm as per specification and direction of the Engineer in Charge of the work | | | | | | | | |
| | | Rmtr | 1 | 6.00 | | | **6.00** | 754.47 | **4527.00** |
| | | | | | | | | | |
| 5 | Providing and fixing 175mm Borewell Cap | | | | | | | | |
| | | No. | 1 | | | | **1** | 150.00 | **150.00** |
| 6 | Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 10.00 HP 20 stage. **SE RDED Approved Rate** | | | | | | | | |
| | 12.5 HP 20 Stage | No | 1 | | | | **1** | 44000.00 | **44000.00** |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 7 | Supplying of ISI marked galvanized mild steel tube (continously welded electric resistance welded (ERW) high frequency, induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1986 with latest amendments, pipes threaftes at one end and the other end protected asper specification in random lengths of 4 to 7 mtrs Confirming to IS 1239 part I/1990 with amendament 1-5 and with all its latest amendements if any. The pipes supplied should be with BIS mark No 3/08-09 2406/15.10.2008. **50 mm dia including Collar Heavy Class** | | | | | | | | |
| | | | 1 | 200.00 | | | **200** | 415.00 | **83000.00** |
| | | | | | | | | | |
| 8 | Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No. 12 ,2.10.3, 4.0 **Sqm mm of 36 strands 0.3mm dia Group - A KPWD Electrical SR 2014-2015 (1x3x4.00 Sqmm PVC cable** | | | | | | | | |
| | | Mtr | 2 | 200.00 | | | **480.00** | 126.70 | **60816.00** |
| 9 | Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves guages etc., involoved in the job (Necessary GI pipe and specials with be supplied by the board at the site free of cost) **(As per rate approved KUWS & DB for year 2008-09** | | | | | | | | |
| | | No | 1 | | | | **1** | 3000.00 | **3000.00** |
| 10 | Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., P No. 44,6.6.6, **KPWD Electrical SR 20014-15** | | | | | | | | |
| | | No. | 1 | | | | **1** | 302.00 | **302.00** |
| 11 | Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class.P No. 55/ I No.7.4.4, **4 core 16 Sqmm KPWD Electrical SR 2014-15** | | | | | | | | |
| | | Mtr | 1 | 30.00 | | | **30.00** | 140.40 | **4212.00** |
| 12 | Labour charges for laying of 1.1 K.V class UG cable **KPWD Electrical SR 2014-15** | | | | | | | | |
| | | Mtr | 1 | 30.00 | | | **30.00** | 10.80 | **324.00** |
| 13 | Digging or trenching of 0.6 m x 0.5 m wide refilling the trench to the required ground level and consolidating etc., complete as per Civil SR KSRB 1-2 P-7 P No. 68/ I. No. 12 d **KPWD Electrical SR 2014-15** | | | | | | | | |
| | For Cutting Road Surface | Mtr | 1 | 25.00 | | | **25.00** | 85.00 | **2125.00** |
| 14 | Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class P. No. 62/ I No.7.12.1, **KPWD Electrical SR 2014-15** | | | | | | | | |
| | 40mm dia GI pipe | Mtr | 1 | 4.00 | | | **4.00** | 345.00 | **1380.00** |
| 15 | Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., P. No. 62/ I No. 7.13.2, **KPWD Electrical SR 2007-08** | | | | | | | | |
| | | No. | 1 | | | | **1.00** | 280.00 | **280.00** |
| | | | | | | | | | |
| 16 | Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, , P-55, I.No.7.1,**KPWD Electrical SR 2014-15** | | | | | | | | |
| | | No | 1 | | | | **1** | 2727.00 | **2727.00** |
| 17 | Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete.... P No. 45/I No 6.7.3 **KPWD Electrical SR 2014-15** | | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 63 Amps | No. | 2 | | | | 3 | 234.00 | **702.00** |
| 18 | Providing and fixing in position **50mm** nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13-7.1-4 P.No. 90/I No. 13.55 **PWD SR 2016-17** | | | | | | | | |
| | | No | 1 | | | | 1 | 1615.68 | **1616.00** |
| | | | | | | | | | |
| 19 | Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete. P. No. 93/ I. No. 13.81.3 **PWD SR 2016-17** | | | | | | | | |
| | 50mm dia | No | 1 | | | | 1 | 232.20 | **232.00** |
| | | | | | | | | | |
| 20 | Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc coomplete | | | | | | | | |
| | | No | 1 | 4.00 | | | 2 | 80.00 | **160.00** |
| | | | | | | | | | |
| 21 | Supplying shunt capaitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift -loading, unloading and labour charges etc complete as per specifications | | | | | | | | |
| | | No | 1 | | | | 1 | 138.00 | **138.00** |
| | | | | | | | | | |
| 22 | Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materiasl wiring complete as requireds 5 to 30 amps triple pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications | | | | | | | | |
| | | No | 1 | | | | 1 | 1547.00 | **1547.00** |
| | | | | | | | | | |
| 23 | Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm @ Rs.0.35 P.No. 40, I. No. 6.40.2, **KPWD Electrical SR 2014-15** | | | | | | | | |
| | | Sq.Cm | 1 | 90.00 | | 75.00 | 6750.00 | | |
| | | | 2 | 23.00 | | 75.00 | 3450.00 | | |
| | | | 2 | 23.00 | 90.00 | | 4140.00 | | |
| | | | | | | | **14340.00** | 0.33 | **4732.00** |
| | | | | | | | | | |
| 24 | Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset. **15HP to 30 HP Star Delta Starter SERDED Rate ( P.No. 44, I. No. 6.2.3, KPWD Electrical SR 2014-15)** | | | | | | | | |
| | | | 1 | | | | 1 | 14123.00 | **14123.00** |
| 25 | KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in **hard soil** not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, **No. 5/ Item No. 2.4/ PWD SR 2016-17** | | | | | | | | |
| | | Cum | 2 | 320.00 | 0.45 | 0.45 | 129.60 | | |
| | Basic Rate | 283.00 | 2 | 200.00 | 0.45 | 0.45 | 81.00 | | |
| | Area Weightage @ 8% | 22.64 | | | | | **210.60** | 305.64 | **64368.00** |
| | **Total** | **305.64** | | | | | | | |
| | | | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 26 | Providing and instalation at site of works **P.V.C.Pipes** including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc., Page No.15 item No.3.4.2(b) **PRE SR2012-13** | | | | | | | | |
| | 75mm Dia 6 KSC | Rmtr | 1 | 320.00 | | | 320.00 | 117.00 | **37440.00** |
| | 65m Dia PRED SR P.No.14/3, 4.2 | | 1 | 200.00 | | | 200.00 | 88.00 | **17600.00** |
| | | | | | | | | | |
| 27 | Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50mm, and lift upto 1.5m, including cost of all labour complete as per specifications, **No. 6/ Item No. 2.11/ PWD SR 2016-17** | | | | | | | | |
| | | Cum | | | | | **23.00** | 82.08 | **1888.00** |
| | Basic Rate | 76.00 | | | | | | | |
| | Area Weightage @ 8% | 6.08 | | | | | | | |
| | **Total** | **82.08** | | | | | | | |
| | | | | | | | | | |
| 28 | Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) **50mm** nominal bore including cost of all materials, labour and HOM of equipment with all leads complete as per specifications. No. KBS 13.37 **PWD SR - 2016-17)** | | | | | | | | |
| | | Each | 2 | | | | **2** | 2216.16 | **4432.00** |
| | Basic Rate | 2052.00 | | | | | | | |
| | Add Area Weightage @ 8% | 164.16 | | | | | | | |
| | **Total** | **2216.16** | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | **602321.00** |
| 29 | Miscellaneous and Unforeseen Charges | | | | | | | L/S | 2679.00 |
| | | | | | | | **Grand Total** | | **605000.00** |
| **(RUPEES SIX LAKHS FIVE THOUSAND ONLY)** | | | | | | | | | |

CERTIFICATES

1) The work spot has been inspected and found to be necessary
2) This estimate is prepared as per KPWD SR. of 2016-2017 & Approved Rates
3) The provisions were made in this estimate are necessary and adequate.
4) This works come under B.B.M.P. limits.
5) The work is not Spilt Up.

Assistant Engineer
Project Sub Division
Yelahanka Zone, BBMP

Assistant Executive Engineer 10/04/17
Project Sub Division
Yelahanka Zone, BBMP

Executive Engineer 10/4/17
Project division
Yelahanka Zone, BBMP Bangalore

Executive Engineer
Project Division
Yelahanka Zone
Bangalore

# BRUHATH BANGALORE MAHANAGARA PALIKE

## CONSTRUCTION OF HOSPITAL BUILDING IN WARD NO.02

### DETAILED ESTIMATE FOR RAIN WATER HARVESTING

| S.N. | DESCRIPTION OF WORK | N | L | B | D | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specification | | | | | | | | |
| | **S.R Page no 5, item no 2.4** | | | | | | | | |
| | | 1 | 6.00 | 6.00 | 1.50 | 54.00 | | | |
| | | | | | | **54.00** | Cumt | **305.64** | **16504.56** |
| | Basic Rate: | 283.00 | | | | | | | |
| | Area Weightage @ 8% | 22.64 | | | | | | | |
| | Total | 305.64 | | | | | | | |
| | | | | | | | | | |
| 2 | Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specification. **Extra for additional lift of 1.5m. or part thereof forexcavation In loose / soft or hard soil including cost of materials, labourcomplete as per specifications.specification. No. KBS** | | | | | | | | |
| | **S.R Page no 5, item no 2.4, 2.21** | | | | | | | | |
| | | 1 | 6.00 | 6.00 | 1.50 | 54.00 | | | |
| | | | | | | **54.00** | Cumt | **319.68** | **17262.72** |
| | Basic Rate: | 296.00 | | | | | | | |
| | Area Weightage @ 8% | 23.68 | | | | | | | |
| | Total | 319.68 | | | | | | | |
| | | | | | | | | | |
| 3 | Providing and filling in foundation with granite / trap borken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift complete as per specification. | | | | | | | | |
| | **S.R Page no 6, item no 2.15** | | | | | | | | |
| | | 1 | 6.00 | 6.00 | 0.30 | **10.80** | | | |
| | | | | | | **10.80** | cumt | **2283.12** | **24657.70** |
| | Basic Rate: | 2114.00 | | | | | | | |
| | Area Weightage @ 8% | 169.12 | | | | | | | |
| | Total | 2283.12 | | | | | | | |
| | | | | | | | | | |
| 4 | Providing and laying in position plain cement concrete of mix **1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregate @ 0.892cum and fine aggregates @ 0.465cum machine mixed, machinemixed, concrete laid in layers not exceeding 15 cms, thick well compacted in foundation and plinth, cost of all materials, labour HOM of machinery, curing complete as per specifications. | | | | | | | | |
| | **S.R Page no 12, item no 4.2** | | | | | | | | |
| | | 1 | 6.00 | 6.00 | 0.15 | 5.40 | | | |
| | | | | | | **5.40** | Cumt | **5449.68** | **29428.27** |
| | Basic Rate: | 5046.00 | | | | | | | |
| | Area Weightage @ 8% | 403.68 | | | | | | | |
| | Total | 5449.68 | | | | | | | |
| | | | | | | | | | |

| S.N. | DESCRIPTION OF WORK | N | L | B | D | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|---|---|---|---|
| 5 | Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.459cum, with superplastisiser @3lts confirmingto IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls ( any thickness ) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string orlacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. | | | | | | | | |
| | **S.R.page 13 item 4.11** | | | | | | | | |
| | Base | 1 | 6.00 | 6.00 | 0.15 | 5.40 | | | |
| | Walls | 2 | 6.00 | 0.30 | 2.55 | 9.18 | | | |
| | Walls | 2 | 5.60 | 0.30 | 2.55 | 8.57 | | | |
| | Slab Top | 1 | 6.00 | 6.00 | 0.20 | 7.20 | | | |
| | | | | | | **30.35** | | | |
| | Deduction of opening: | 1 | 0.60 | 0.60 | 0.20 | 0.07 | | | |
| | | | | | | **30.28** | Cumt | **6491.88** | **196548.16** |
| | Basic Rate: | 6011.00 | | | | | | | |
| | Area Weightage @ 8% | 480.88 | | | | | | | |
| | Total | 6491.88 | | | | | | | |
| 6 | Providing & removing centering shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies likes, thickness upto 200mm including cost of all materials, labour complete as per specifications | | | | | | | | |
| | **SR Page No.15,item No. 4.30** | | | | | | | | |
| | Top slab | 1 | 5.60 | 5.60 | - | 31.36 | | | |
| | | | | | | **31.36** | Sqmt | **414.72** | **13005.62** |
| | Basic Rate: | 384.00 | | | | | | | |
| | Area Weightage @ 8% | 30.72 | | | | | | | |
| | Total | 414.72 | | | | | | | |
| 7 | Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thicknes including cost of all materials, labour complete as per specifications and direction of the Engineer in charge. | | | | | | | | |
| | **S.R.page 16 item 4.31** | | | | | | | | |
| | side walls | 2 | 5.60 | | 2.55 | 28.56 | | | |
| | | 2 | 5.60 | | 2.55 | 28.56 | | | |
| | | | | | | **57.12** | Sqmt | **316.44** | **18075.05** |
| | Basic Rate: | 293.00 | | | | | | | |
| | Area Weightage @ 8% | 23.44 | | | | | | | |
| | Total | 316.44 | | | | | | | |
| 8 | Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. | | | | | | | | |
| | **S.R.page 19 item 4.46** | | | | | | | | |
| | Top Slab, Wall & Base | | | | | 30.28 | Cumt | | |
| | @ 2% | | | | | 0.61 | | | |
| | @ 7850kg/cmt | | | | | 4754 | kg(vi) | | |
| | | | | or say | | **4.75** | MT | **60534.00** | **287536.50** |
| | Basic Rate: | 56050.00 | | | | | | | |
| | Area Weightage @ 8% | 4484.00 | | | | | | | |

| S.N. | DESCRIPTION OF WORK | N | L | B | D | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|---|---|---|---|
| | Total | 60534.00 | | | | | | | |
| | | | | | | | | | |
| 9 | Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering,. Providing and removing scaffolding, including cost of materials, labour, lead, lift, curing curing complete as per specification and Extra for providing and mixing waterproofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:3, 12mm thick cost of materials complete as per specifications. | | | | | | | | |
| | **S.R.page 114 item 15.21 and 15.23** | | | | | | | | |
| | Bottom | 1 | 5.60 | 5.60 | - | 31.36 | | | |
| | | | | | | **31.36** | Sqm | **214.92** | **6739.89** |
| | Basic Rate: | 199.00 | | | | | | | |
| | Area Weightage @ 8% | 15.92 | | | | | | | |
| | Total | 214.92 | | | | | | | |
| | | | | | | | | | |
| 10 | Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherver required smooth rendering, Providing and removing scaffolding, cost of materials, labour, curing complete as per specification and Extra for providing and mixing waterproofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:4, 18mm thick cost of materials complete as per specifications. | | | | | | | | |
| | **S.R.page 113 item 15.15 and 15.33** | | | | | | | | |
| | side walls | 2 | 5.60 | | 2.55 | 28.56 | | | |
| | | 2 | 5.60 | | 2.55 | 28.56 | | | |
| | | | | | | **57.12** | Sqm | **290.52** | **16594.50** |
| | Basic Rate: | 269.00 | | | | | | | |
| | Area Weightage @ 8% | 21.52 | | | | | | | |
| | Total | 290.52 | | | | | | | |
| | | | | | | | | | |
| 11 | Providing and fixing square tank covers of size 24x24 | | | | | | | | |
| | **Page No. XXXVIII** | | | | | 1 | No | **1273.00** | **1273.00** |
| | | | | | | | | | |
| 12 | Providing 20mm square M.S.Footrest and fixing in manhole with 1:3:6 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications, | | | | | | | | |
| | **S.R.page 73 item 11.44** | | | | | | | | |
| | | | | | | 6 | Nos. | **265.68** | **1594.08** |
| | Basic Rate: | 246.00 | | | | | | | |
| | Area Weightage @ 8% | 19.68 | | | | | | | |
| | Total | 265.68 | | | | | | | |
| | | | | | | | | | |
| 13 | Conveying the excavated debries and over burden earth etc to a lead 20 kms distances by using private vehicles this including the cost of loading and inloading charges etc | | | | | | | | |
| | | | | | | 108.00 | Cumt | **133.00** | **14364.00** |
| | Add: Bulking Charge @ 1.3% | | | | | | | | |
| | Loading and unloading I.No.17.1 | | | 68.00 | | | | | |
| | for Haulage(surface road Rs.2.5 T/Km) | | | | | | | | |
| | (density of debris 1.30 t/cum) | | | | | | | | |
| | for 20kms =20x2.5x1.30 | | | 65.00 | | | | | |
| | | | | 133.00 | | | | | |
| | | | Total | 133.00 | | | | | |
| | | | | | | | | | |
| 14 | Rainy filter: Providing, supplying and commissioning of Rain Water harvesting pump filter with 110mm,fitting & including fitting etc.,complete as per specification (Aproved rates) | | | | | | | | |
| | | | | | | | | | |
| | | 3 | | | | 3 | Each | **5950.00** | **17850.00** |

| S.N. | DESCRIPTION OF WORK | N | L | B | D | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| 15 | Providing ,supplying & commissionig of 3 H.P/2.2 KW submersible - three phase mono block pump of Atlanta, Suguna , CRI, Kirloskar and other Equivalent Pumps | | | | | 1 | Nos | 25320.00 | 25320.00 |
| | | | | | | | | | |
| | | | | | | | | | 245.95 |
| 16 | Miscellaneous and unforseen | | | | | | | TOTAL: | 687000.00 |
| | | | | | | | | | |
| | | | | | | | | | |

(RUPEESSIX LAKHS EIGHTY SEVEN THOUSAND ONLY)

CERTIFICATES

1) The work spot has been inspected and found to be necessary
2) This estimate is prepared as per KPWD SR. of 2016-2017 & Approved Rates
3) The provisions were made in this estimate are necessary and adequate.
4) This works come under B.B.M.P. limits.
5) The work is not Spilt Up.

Assistant Engineer
Project Sub Division
Yelahanka Zone, BBMP

Assistant Executive Engineer 10/04/17.
Project Sub Division
Yelahanka Zone, BBMP

Executive Engineer
Project division
Yelahanka Zone, BBMP Bangalore

Executive Engineer
Project Division
Yelahanka Zone
Bangalore
10/4/17

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# BRUHAT BANGALORE MAHANAGARA PAILKE

## CONSTRUCTION OF HOSPITAL BUILDING IN WARD NO.02

### SANITARY & WATER SUPPLY WORKS

| SL.N | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|---|---|---|---|---|---|
| 1 | Providing and fixing **white vitreous china clay, water closet indian type ( squatting pan** ) of size 580mm with foot rests 100mm S or P trap . 10 litre low level, P.V.C flushing cistern (**all** are approved make ) with fittings, C.I / M.S brackets, 32mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor *wherever required, including cost of* materials, labour complete as per specifications. | **Each** | **28** | **3730.32** | **104448.96** |
| | S.R Page no 77, item no 12.1 | | | | |
| | Basic Rate: | 3454.00 | | | |
| | Area Weightage @ 8% | 276.32 | | | |
| | Total | 3730.32 | | | |
| 2 | : Providing and fixing **white vitreous china clay, water closet European type ( Pedestal type, P-trap** ) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (**all** are approved make ) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor *wherever required, including cost of* materials, labour complete as per specifications. | **Each** | 33 | **5540.40** | **182833.20** |
| | S.R Page no 77, item no 12.5 | | | | |
| | Basic Rate: | 5130.00 | | | |
| | Area Weightage @ 8% | 410.40 | | | |
| | Total | 5540.40 | | | |
| 3 | : Providing and **fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps** with C.I /M.S brackets, **32** mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. | **Unit** | 45 | **4196.88** | **188859.60** |
| | S.R Page no 80, item no 12.23 | | | | |
| | Basic Rate: | 3886.00 | | | |
| | Area Weightage @ 8% | 310.88 | | | |
| | Total | 4196.88 | | | |

| | | | | | |
|---|---|---|---|---|---|
| 4 | Providing and fixing **white vitreous china clay, flat back, lipped front urinal basin** of 430x260x350mm with **5 litres PVC** automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. | **Unit** | 15 | **3204.36** | **48065.40** |
| | S.R Page no 78 item no 12.7 | | | | |
| | Basic Rate: | 2967.00 | | | |
| | Area Weightage @ 8% | 237.36 | | | |
| | Total | 3204.36 | | | |
| | | | | | |
| 5 | Providing and **fixing C.P. brass towel rail 740mm *length,*** *20mm dia with C.P brackets, fixed to wooden cleats with* C.P. brass screws including cost of materials, labour complete as per specifications. | Unit | 30 | ***845.64*** | **25369.20** |
| | S.R Page no 83 item no 12.45 | | | | |
| | Basic Rate: | 783.00 | | | |
| | Area Weightage @ 8% | 62.64 | | | |
| | Total | 845.64 | | | |
| | | | | | |
| 6 | Providing **gun metal pillar cocks 15mm dia** of I class confirming to ISI specifications and fixing them in position as per directions including of cost of materials and fixtures and conveyance to spot. | Each | 40 | **270.00** | **10800.00** |
| | S.R Page no 95, item no 13.80 | | | | |
| | Basic Rate: | 250.00 | | | |
| | Area Weightage @ 8% | 20.00 | | | |
| | Total | 270.00 | | | |
| | | | | | |
| 7 | Providing and **fixing in position brass bib cock** of approved quality **15mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. | Each | 75 | **249.48** | **18711.00** |
| | S.R Page no 91, item no 13.23 | | | | |
| | Basic Rate: | 231.00 | | | |
| | Area Weightage @ 8% | 18.48 | | | |
| | Total | 249.48 | | | |
| | | | | | |
| 8 | Providing and fixing in position brass stop cock of approved quality **20mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. | Each | 100 | **172.80** | **17280.00** |
| | S.R Page no 91, item no 13.27 | | | | |
| | Basic Rate: | 160.00 | | | |
| | Area Weightage @ 8% | 12.80 | | | |
| | Total | 172.80 | | | |
| | | | | | |

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| | | | | | |
|---|---|---|---|---|---|
| 9 | Providing and fixing **polished granite sink of size 60cms x 90cms** of 23cm thick, the sink portion shall be 15cm in depth of shapes oval/round/ square over brick masonry in cement mortar-1:6 including cost and conveyance of all materials, labour for all items of work, HOM of equipment with all lead and lift, loading and unloading, transportion charges and all other incidental charges etc., complete as per specification and direction of the Engineer-in-charge of the work. | Each | 14 | **7635.60** | **106898.40** |
| | S.R Page no 97, item no 13.88 | | | | |
| | Basic Rate: | 7070.00 | | | |
| | Area Weightage @ 8% | 565.60 | | | |
| | Total | 7635.60 | | | |
| | | | | | |
| 10 | Providing and fixing **laboratory sink** of white glazed fire clay of size **600x450x200mm** with **M.S** / C.I brackets, C.P brass chain with rubber plug, 32 mm C.P. brass waste, tap with union, brass stop cock complete, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per | **Unit** | 25 | **3666.60** | **91665.00** |
| | S.R Page no 82, item no 12.34 | | | | |
| | Basic Rate: | 3395.00 | | | |
| | Area Weightage @ 8% | 271.60 | | | |
| | Total | 3666.60 | | | |
| | | | | | |
| 11 | Providing and fixing **Chorinated Poly Venyl Chloride (CPVC) pipes** conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (Internal work exposed on wall) | | | | |
| | S.R Page no 96, item no 13.85 | | | | |
| | **15mm nominal OD pipes** | m | 175 | **124.20** | **21735.00** |
| | Basic Rate: | 115.00 | | | |
| | Area Weightage @ 8% | 9.20 | | | |
| | Total | 124.20 | | | |
| | **20mm nominal OD pipes** | m | 1100 | **145.80** | **160380.00** |
| | Basic Rate: | 135.00 | | | |
| | Area Weightage @ 8% | 10.80 | | | |
| | Total | 145.80 | | | |
| | **25mm nominal OD pipes** | m | 510 | **183.60** | **93636.00** |
| | Basic Rate: | 170.00 | | | |
| | Area Weightage @ 8% | 13.60 | | | |
| | Total | 183.60 | | | |
| | **32mm nominal OD pipes** | m | 150 | **225.00** | **33750.00** |
| | Basic Rate: | 225.00 | | | |
| | Area Weightage @ 8% | 18.00 | | | |
| | Total | 243.00 | | | |
| | **40mm nominal OD pipes** | m | 130 | **334.80** | **43524.00** |
| | Basic Rate: | 310.00 | | | |
| | Area Weightage @ 8% | 24.80 | | | |
| | Total | 334.80 | | | |
| | **50mm nominal OD pipes** | m | 900 | **475.20** | **427680.00** |
| | Basic Rate: | 440.00 | | | |
| | Area Weightage @ 8% | 35.20 | | | |

| | | | | | |
|---|---|---|---|---|---|
| | Total | 475.20 | | | |
| | | | | | |
| 12 | Providing and **fixing Chorinated Poly Venyl Chloride (CPVC) pipes** conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete.(external work) | | | | |
| | S.R Page no 97, item no 13.87.7 | | | | |
| | 62.50mm nominal OD pipes | m | 450 | **1501.20** | **675540.00** |
| | Basic Rate: | 1390.00 | | | |
| | Area Weightage @ 8% | 111.20 | | | |
| | Total | 1501.20 | | | |
| | | | | | |
| 13 | : Providing and fixing unplasticised PVC connection pipe with brass union 15mm nominal bore length of PVC connection including cost of all materials ,labours and HOM of equipments with all leads complete as per specifications. | Set | 75 | **284.04** | **21303.00** |
| | S.R Page no 92 item no 13.46 | | | | |
| | Basic Rate: | 263.00 | | | |
| | Area Weightage @ 8% | 21.04 | | | |
| | Total | 284.04 | | | |
| | | | | | |
| 14 | Providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality **20mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. | Each | 30 | **442.80** | **13284.00** |
| | S.R Page no 92 item no 13.41 | | | | |
| | Basic Rate: | 410.00 | | | |
| | Area Weightage @ 8% | 32.80 | | | |
| | Total | 442.80 | | | |
| | | | | | |
| 15 | Providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality **25mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. | Each | 20 | **654.48** | **13089.60** |
| | S.R Page no 92 item no 13.42 | | | | |
| | Basic Rate: | 606.00 | | | |
| | Area Weightage @ 8% | 48.48 | | | |
| | Total | 654.48 | | | |
| | | | | | |
| 16 | Providing and fixing in position brass gate valve with C.I. wheel of approved quality (screwed end) **32mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. | Each | 15 | **1050.84** | **15762.60** |
| | S.R Page no 92 item no 13.35 | | | | |
| | Basic Rate: | 973.00 | | | |
| | Area Weightage @ 8% | 77.84 | | | |
| | Total | 1050.84 | | | |
| | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| 17 | Providing and fixing in position brass gate valve with C.I. wheel of approved quality (screwed end) **40mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. | Each | 15 | **1420.20** | **21303.00** |
| | S.R Page no 92 item no 13.36 | | | | |
| | Basic Rate: | 1315.00 | | | |
| | Area Weightage @ 8% | 105.20 | | | |
| | Total | 1420.20 | | | |
| | | | | | |
| 18 | Providing and fixing in position brass gate valve with C.I. wheel of approved quality (screwed end) **50mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. | Each | 15 | **2216.16** | **33242.40** |
| | S.R Page no 92 item no 13.37 | | | | |
| | Basic Rate: | 2052.00 | | | |
| | Area Weightage @ 8% | 164.16 | | | |
| | Total | 2216.16 | | | |
| | | | | | |
| 19 | Providing and fixing in position brass gate valve with C.I. wheel of approved quality (screwed end) **65mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. | Each | 10 | **2781.00** | **27810.00** |
| | S.R Page no 92 item no 13.38 | | | | |
| | Basic Rate: | 2575.00 | | | |
| | Area Weightage @ 8% | 206.00 | | | |
| | Total | 2781.00 | | | |
| | | | | | |
| 20 | : Providing and fixing in position brass gate valve with C.I. wheel of approved quality (screwed end) **80mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. | Each | 10 | **3303.72** | **33037.20** |
| | S.R Page no 92 item no 13.39 | | | | |
| | Basic Rate: | 3059.00 | | | |
| | Area Weightage @ 8% | 244.72 | | | |
| | Total | 3303.72 | | | |
| | | | | | |
| 21 | Providing and fixing in position **50mm nominal bore** gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. | Nos. | 4 | **1615.68** | **6462.72** |
| | S.R Page no 93 item no 13.55 | | | | |
| | Basic Rate: | 1496.00 | | | |
| | Area Weightage @ 8% | 119.68 | | | |
| | Total | 1615.68 | | | |
| | | | | | |
| | | | | | |
| 22 | Providng and fixing to wall, ceiling and floor unplasticised PVC pipes 6.00 kg / sq.cm working pressure chemp plast / wavin or eqvivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of materials, labour charges, HOM of equipments and testing complete as per speicifications. | | | | |
| | S.R Page no 94 item no 13.71 | | | | |
| | 40mm dia Supply : | Mtrs. | 350 | **284.04** | **99414.00** |
| | Basic Rate: | 263.00 | | | |
| | Area Weightage @ 8% | 21.04 | | | |
| | Total | 284.04 | | | |
| | 50mm dia Supply : | Mtrs. | 300 | **373.68** | **112104.00** |
| | Basic Rate: | 346.00 | | | |